

Amendments to the Claims:

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

5 1-23. (cancelled)

24. (new) A digital video (DV) storage system comprising:

10 an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

15 a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

20 a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

25 wherein the incoming signal contains packets and the interface module outputs a packet start indication to indicate the beginning of each packet in the incoming bit stream; and

the DV demuxer compares a number of double words received in the incoming bit stream starting at the packet start indication with a first predetermined value, DV demuxer determining the incoming bit-stream to have an error when the number of double words received exceeds the first predetermined value.

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25. (new) A digital video (DV) storage system comprising:

an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

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a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for

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de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

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wherein the DV demuxer compares a received block number order of the received blocks in the incoming bit-stream with a predetermined order, the DV demuxer determining the incoming bit-stream to have an error when the received block number order differs from the predetermined order.

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26. (new) A digital video (DV) storage system comprising:

an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

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a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for

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de-multiplexing received blocks in the incoming bit-stream into at least video

blocks being in video sections and audio blocks being in audio sections; and

a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

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wherein the DV demuxer compares a received sequence number order of the received blocks in the incoming bit-stream with a predetermined order, the DV demuxer determining the incoming bit-stream to have an error when the received sequence number order differs from the predetermined order.

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27. (new) A digital video (DV) storage system comprising:

an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

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a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for
20 de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

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wherein the DV demuxer sequentially stores the video and audio blocks in respective sections of the memory; and

when the DV demuxer determines the incoming bit stream to have an error, the
30 DV demuxer returns to the beginning of the respective sections.

28. (new) A digital video (DV) storage system comprising:

5 an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

10 a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

15 a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

wherein the DV demuxer sequentially stores the video and audio blocks in respective sections of the memory; and

20 when the DV demuxer determines the incoming bit stream to have an error, the DV demuxer skips to the beginning of a next respective section of the memory.

29. (new) A method of storing digital video (DV) data, the method comprising:

25 providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

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5 providing a DV demuxer directly connected to the interface module, and
utilizing the DV demuxer to receive the incoming bit-stream and check the
incoming bit-stream for errors to determine if the incoming bit-stream is
compliant with a DV format before de-multiplexing the incoming bit-stream into
the video and audio blocks; and

utilizing the DV demuxer to store the video and audio blocks in the memory;

wherein the incoming signal contains packets, and the interface module outputs
10 a packet start indication to indicate the beginning of each packet in the incoming
bit stream; the method further comprising:

utilizing the DV demuxer to compare a number of double words received in the
incoming bit stream starting at the packet start indication with a first
15 predetermined value, and determining the incoming bit-stream to have an error
when the number of double words received exceeds the first predetermined
value.

20 30. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting
the incoming signal into an incoming bit-stream;

25 de-multiplexing received blocks in the incoming bit-stream into at least video
blocks being in video sections and audio blocks being in audio sections;

providing a DV demuxer directly connected to the interface module, and
utilizing the DV demuxer to receive the incoming bit-stream and check the
incoming bit-stream for errors to determine if the incoming bit-stream is
30 compliant with a DV format before de-multiplexing the incoming bit-stream into

the video and audio blocks;

utilizing the DV demuxer to store the video and audio blocks in the memory; and

5 utilizing the DV demuxer to compare a received block number order of the received blocks in the incoming bit-stream with a predetermined order, and determining the incoming bit-stream to have an error when the received block number order differs from the predetermined order.

10 31. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

15 de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

providing a DV demuxer directly connected to the interface module, and
utilizing the DV demuxer to receive the incoming bit-stream and check the
20 incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks;

utilizing the DV demuxer to store the video and audio blocks in the memory; and

25 utilizing the DV demuxer to compare a received sequence number order of the received blocks in the incoming bit-stream with a predetermined order, and determining the incoming bit-stream to have an error when the received sequence number order differs from the predetermined order.

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32. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

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de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

providing a DV demuxer directly connected to the interface module, and
10 utilizing the DV demuxer to receive the incoming bit-stream and check the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks;

15 utilizing the DV demuxer to store the video and audio blocks in the memory; and sequentially storing the video and audio blocks in respective sections of the memory; and

20 when the DV demuxer determines the incoming bit stream to have an error, returning to the beginning of the respective sections of the memory.

33. (new) A method of storing digital video (DV) data, the method comprising:

25 providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

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5 providing a DV demuxer directly connected to the interface module, and
utilizing the DV demuxer to receive the incoming bit-stream and check the
incoming bit-stream for errors to determine if the incoming bit-stream is
compliant with a DV format before de-multiplexing the incoming bit-stream into
the video and audio blocks;

utilizing the DV demuxer to store the video and audio blocks in the memory; and
sequentially storing the video and audio blocks in respective sections of the
10 memory; and

when the DV demuxer determines the incoming bit stream to have an error,
skipping to the beginning of a next respective section of the memory.